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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Sally Mossman et al.
Application No. : 10/068,171
Filed : February 4, 2002
For : IMMUNOSTIMULANT COMPOSITIONS COMPRISING
AMINOALKYL GLUCOSAMINIDE PHOSPHATES AND
SAPONINS

Examiner : Shengjun Wang
Art Unit : 1617
Docket No. : 210121.721
Date : August 24, 2006

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SECOND DECLARATION OF SALLY MOSSMAN UNDER 37 C.F.R. § 1.132

I, Sally Mossman, do hereby declare that:

1. I am one of the named joint inventors of the subject matter disclosed and claimed in the above-identified patent application.

2. I have reviewed the Examiner's comments in the Office Action dated February 24, 2006, asserting that the data presented in the Declaration submitted December 8, 2005, did not demonstrate greater than additive effects for the AGP compounds RC-527, RC-540 and RC-557.

3. For simplicity and clarity, data points presented graphically in Figures 1 and 2 of the Declaration of December 8, 2006, have been summarized in Table 1 below, showing the % lysis values observed for the tested adjuvant combinations at an effector:target (ET) ratio of 25. As there was some degree of plateau or decline observed in the curves at ET ratios of

100:1 and 50:1, it is valid to focus attention on the ET ratio of 25:1 for purposes of evaluating synergy, as this ET ratio falls within the linear region of these curves.

Adjuvant Combinations	% Lysis at ET ratio = 25
DPV + RC-527	-0.8
DPV + QS-21	18.4
DPV + QS-21 + RC-527	28.3
DPV + RC-540	12.5
DPV + QS-21	0.5
DPV + QS-21 + RC-540	24.1
DPV + RC-557	3.8
DPV + QS-21	0.5
DPV + QS-21 + RC-557	18.9

4. For RC-527, the % lysis observed was -0.8 for RC-527 alone and 18.4 for QS-21 alone. A strictly additive effect for this combination would therefore be expected to give rise to a % lysis value of 17.6. The observed % lysis value of 28.3 is greater than additive.

5. For RC-540, the % lysis observed was 12.5 for RC-540 alone and 0.5 for QS-21 alone. A strictly additive effect for this combination would therefore be expected to give rise to a % lysis value of 13. The observed % lysis value of 24.1 is greater than additive.

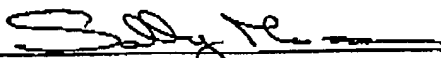
6. For RC-557, the % lysis observed was 3.8 for RC-540 alone and 0.5 for QS-21 alone. A strictly additive effect for this combination would therefore be expected to give rise to a % lysis value of 4.3. The observed % lysis value of 18.9 is greater than additive.

7. Thus, at an ET ratio within the linear region of the curves, greater than additive % lysis effects were observed for each of the compounds RC-527, RC-540 and RC-557.

I further hereby declare that all statements made herein of my own knowledge are true and that all statements made on information or belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the

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United States Code, and that such willful false statements may jeopardize the validity of the above-identified patent application and/or any patent issuing therefrom.



Signature of Sally Mossman

8/24/06

Date of Signature

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